Syllabus for MATHEMATICS 112 PRE-ALGEBRA (NDA)  3.00 UNITS  
Fall 2008  Section Number 0299  LEC 7:30am-8:55am TTh  Prof. J. Kim  BUNG 1

1. **Email**:  kimjh@lamission.edu  2. **Phone**:  (562)938-4895

3. **Office Hours**:  6:55am-7:30am TTh BUNG 1 & 8:55am-9:05am TTh in BUNG 8.


5. **Description**:  This course bridges the gap between arithmetic and algebra. Topics include a review of arithmetic and an introduction to fundamental algebraic concepts.

6. **Prerequisites**:  Math 105, with a grade of “C” or better, or appropriate skill level demonstrated through the MATH assessment process.

7. **Final Exam, Exams & Quizzes**:
   a) The final exam is accumulative and is not optional but required. Everyone must take the final exam to pass. **No exceptions!**
   b) Please use a pencil when answering the questions on all exams.
   c) Keep your own record of exam scores and periodically check your progress in the class.
   d) See the tentative schedule for the exam dates.
   e) There will be no make-ups for missed exams & quizzes including the final exam. **No exceptions!** However, the lowest exam & quiz grades will be dropped.
   f) No calculators are allowed on the exams. However, you may use them for your homework problems. The purpose of the scientific calculator should be the supplement to your math knowledge not the substitute of it. Another words, you should not rely on your calculator 100%.
   g) All exams will be closed books and closed notes. During the tests covers for the calculators, books and notes must be put away under the seat.
   h) Always ask the instructor to clarify any questions about the problems on the exam not your neighbors. Do not leave your seat.
   i) No matter what the circumstances, do not look at other student’s paper because each student has different form of the exam. Seating chart will be assigned on the day of the exam.
   j) During the exam only one person can leave for the restroom break.

8. **Homework**:
   a) You must put 1-2 hours practice working homework problems for each hour of class.
   b) Homework will be collected every exam & quiz days in the beginning of the class.
   c) In addition to the homework set, there will be in-class assignments and study guides.
   d) Working together with other students on homework is permitted and encouraged. Individual students must turn in their own original copy of homework.
   e) **NO LATE HOMEWORK** sets will be accepted. **No exceptions!**
   f) Homework set needs to be legible, neat and stapled by the sections. Homework set must have smooth edges.
   g) Everyone must submit the original homework set.

9. **Attendance**:
   a) Perfect attendance is expected.
   b) Students with more than 4 or more absences (whether consecutive or accumulative) will be dropped from the course and will not be reinstated.
   c) Call or email the instructor to leave a brief message after being absent for more than two lectures to avoid being dropped from the roster. It is student’s responsibility to obtain notes from one’s peers.
   d) From the total grade, 5 points will be deducted for each absence and 1 point for being late to the class or for leaving early. Attendance will be enforced everyday in the beginning of the class.

10. **Tutoring**:  Additional support material for this course includes: Software based tutorials, topic specific video presentations, and tutoring, available at the Math Center or in the Library.
11. Student Conduct: All students are expected to conduct themselves with the highest standards of ethics and behavior. Any cheating which involves any unauthorized cooperation on any graded assignments will be dealt with as severely as the College policy allows. Any infringement upon the rights of others will not be tolerated as well.

12. Math 112 Learning Outcomes
   - Find the prime factorization of a given number.
   - Evaluate expressions using order of operations.
   - Simplify expressions with exponents.
   - Solve equations with whole numbers and integers.
   - Combine like-terms.
   - Analyze word problems, translate into linear equations and solve.
   - Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
   - Evaluate expressions with decimals and square roots.
   - Analyze and graph linear equations.
   - Convert numbers to percents and evaluate applications such as discounts, interest, commissions, etc.
   - Solve ratios and proportions, translate and solve word problems thereof.
   - Calculate perimeters and areas of polygons
   - Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.

13. Grades:
   - 900-1000pts. A
   - 800-899pts. B
   - 700-799pts. C
   - 550-699pts. D
   - Below 549pts. F

14. Scales:
   - Final Exam 300pts
   - Best 6 Exams 600pts
   - Best 6 Quizzes 60pts
   - Homework 40pts
   - Total 1000pts
### Tentative Schedule:

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Tuesday</th>
<th>Date</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>September 2</td>
<td>Introduction 1.1-1.3</td>
<td>September 4</td>
<td>1.4-1.7</td>
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<tr>
<td>#2</td>
<td>September 9</td>
<td>Quiz 1 (1.1-1.3) Review &amp; Study Guide 1 2.1-2.2</td>
<td>September 11</td>
<td>Exam1 (Ch.1) 2.3</td>
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<td>#3</td>
<td>September 16</td>
<td>2.4-2.6</td>
<td>September 18</td>
<td>Quiz 2 (2.1-2.3) Review &amp; Study Guide 2 3.1</td>
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<tr>
<td>#4</td>
<td>September 23</td>
<td>Exam 2 (Ch.2) 3.2</td>
<td>September 25</td>
<td>3.3-3.4</td>
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<td>#5</td>
<td>September 30</td>
<td>3.5-3.6 4.1</td>
<td>October 2</td>
<td>Quiz 3 (3.1-3.4) Review &amp; Study Guide 3 4.2</td>
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<td>#6</td>
<td>October 7</td>
<td>Exam3 (Ch.3) 4.3-4.4</td>
<td>October 9</td>
<td>4.5-4.8</td>
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<td>#7</td>
<td>October 14</td>
<td>Quiz 4 (4.1-4.4) 5.1-5.2</td>
<td>October 16</td>
<td>Review &amp; Study Guide 4 5.3</td>
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<td>#8</td>
<td>October 21</td>
<td>Exam4 (Ch.4) 5.4</td>
<td>October 23</td>
<td>5.5-5.7</td>
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<td>#9</td>
<td>October 28</td>
<td>Quiz 5 (5.1-5.3) 6.1-6.2</td>
<td>October 30</td>
<td>Review &amp; Study Guide 5 6.3</td>
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<td>#10</td>
<td>November 4</td>
<td>Exam5 (Ch.5) 6.4</td>
<td>November 6</td>
<td>6.5-6.6</td>
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<td>#11</td>
<td>November 11</td>
<td>Quiz 6 (Ch.6) 7.1-7.2</td>
<td>November 13</td>
<td>7.3-7.4 8.1</td>
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<td>#12</td>
<td>November 18</td>
<td>Review &amp; Study Guide 6 8.2</td>
<td>November 20</td>
<td>Exam6 (Chs.6&amp;7)</td>
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<tr>
<td>#13</td>
<td>November 25</td>
<td>9.1-9.3</td>
<td>November 27</td>
<td>Thanksgiving Holiday (college closed)</td>
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<td>#14</td>
<td>December 2</td>
<td>Quiz 7 (8.1-8.2) 9.4-9.6</td>
<td>December 4</td>
<td>Review &amp; Study Guide 7</td>
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<td>#15</td>
<td>December 9</td>
<td>Exam7 (Chs.8&amp;9) Review</td>
<td>December 11</td>
<td>Review</td>
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K to 8 (Young Student) Application deadline Friday, August 15
Last day to ADD classes Friday September 12
Last day to receive a REFUND Monday, September 15
Last day to DROP classes, without “W” (in person) Friday, September 26
Last day to DROP classes, without “W” (Internet/STEP) Sunday, September 28
Last day to file a petition for Credit/No-Credit Friday, October 10
Last day to DROP classes, with a “W” (in person) Friday, November 21
Last day to DROP (Internet/STEP) Sunday, November 21

Final Examination will be held on Tuesday, December 16, 2008 from 7:30-9:30 am
Welcome to Math 112 class…

Once a wise man said that we must jump into the pool to learn how to swim…
Math is similar, we must solve the problems on our own and it is certainly not a spectator sport…